

# DURABILITY ON-DEMAND.

INTRODUCING A COMPLETE LINE OF ON-DEMAND  
GAS-FIRED WATER HEATERS.



**SOLID. STATE.**





# STATE ON-DEMAND GAS WATER HEATERS.

The durability of State.

The convenience of continuous flow delivery.

On-demand, or tankless, technology is not new. It's been in existence for about 30 years in other parts of the world. Now State combines this efficient technology with our reputation for durability and rugged performance to bring a line of residential and commercial tankless heaters to America.

State's on-demand water heaters use a high-fire burner to quickly raise the temperature of water passing through a copper heat exchanger. Only after the heater senses the demand for hot water does the burner initiate its ignition sequence, ignite and begin to heat the flow of water.

All State on-demand heaters are gas-fired. And because the burner is not ignited until there is a demand for hot water, they're highly energy efficient.

Remember: on-demand water heaters are designed for specific usage situations. Consult your sales rep or contact State at 800-365-0024 for specifications and recommendations regarding all State storage and on-demand product applications.



**Choose from 16 different interior and exterior models designed specifically for Residential or Commercial applications.**

## Product Features:

### Style

- Durable powder coated finish
- Smooth, pleasant lines and rounded corners
- Matching pipe cover available for finished appearance

### Technology

- Interior and exterior installation options
- Continuous hot water on demand (up to 9.8 GPM)
- Whole house water heating solution
- Direct electronic ignition - no pilot light
- On-board diagnostics and safety monitoring
- Applicable for residential hydronic heating applications

### Durability

- Durable enough for 12-year limited warranty on heat exchanger, 5-year warranty on all parts
- Tough enough to deliver endless hot water
- Durable enough to be installed outdoors, saving valuable indoor square footage

### Tankless Energy Efficiency

- Up to 84% thermal efficiency providing significant energy cost savings

## Commercial Application Features:

- Hot water capacity of 0.6 - 9.8 GPM
- Min. - Max. input: 19,000 - 237,000 BTU
- Max. temperature: 185°F with Commercial Controller
- Ideal for restaurants, multifamily housing, schools, hotels, hair salons and spas, laundromats and car washes
- ASME models available

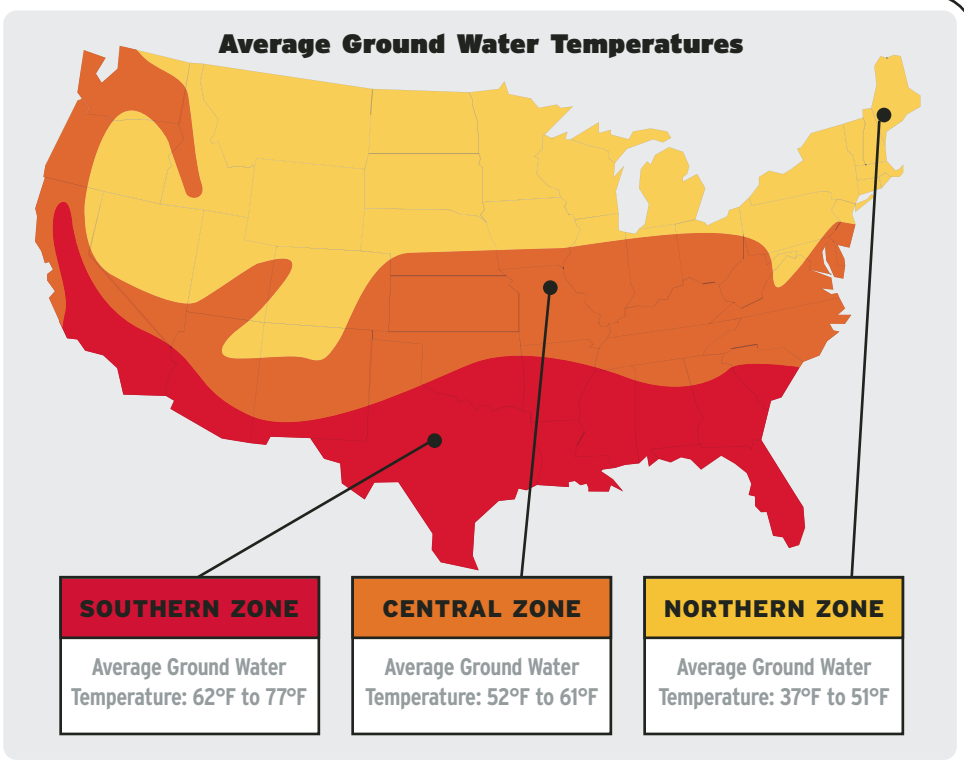


## MODEL SELECTION GUIDE.

### Ground water temperature factor.

The temperature of incoming ground water (cold water inlet temperature) varies greatly throughout the U.S. and also fluctuates with change of season. The temperature of water as it enters the water heater will determine the amount of “temperature rise” required to achieve the desired hot water outlet temperature (120°F is recommended).

The best way to measure your incoming ground water temperature is to use a thermometer to measure cold water temperature during the coldest season of the year. To simplify the process, use this map to determine whether your installation location is in the Southern Zone, Central Zone or Northern Zone.



### Peak hot water demand.

The next step is to determine how much hot water will be required during its busiest usage period (“peak demand”). To use the chart, consider all appliances and fixtures that use hot water, including lavatory faucets, kitchen faucets, washing machines, dishwashers, showers and bathtubs. Be sure to determine how many appliances and fixtures will be used at the same time during peak demand.

Appliances or fixtures in simultaneous use during peak demand	Ground Water Temperature Zone		
	Southern Zone	Central Zone	Northern Zone
1	305 or 505	305 or 505	305 or 505
2	305 or 505	305 or 505	305 or 505
3	505 or 705	(2) 505 or 705	(2) 505
4	(2) 505	(2) 505	(2) 505
5	(2) 505	(2) 705	(2) 705
6 or more	Multi-system	Multi-system	Multi-system

\* Note: This Selection Guide is based on 120° F outlet water temperature.

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## MODEL SPECIFICATIONS

Model Number	BTU Input Natural / Propane		Hot Water Output (GPM)			Approximate Shipping Weight (lbs)
	Minimum	Maximum	Maximum	45° F Rise	77° F Rise	
<b>INTERIOR MODELS</b>						
GTS-305-NI	15,000	199,000/190,000	5.3	5.3	4.2	50
GTS-505-NI	15,000	199,000/190,000	8.5	7.4/7.1	4.2	50
GTS-705-NI	19,000	237,000	9.8	8.8	5.1	55
GTS-705-NIA*	19,000	237,000	9.8	8.8	5.1	55

For propane, change "N" to "P" in model number (GTS 305-PI).  
\* 705-NIA models are ASME Certified.

Model Number	BTU Input Natural / Propane		Hot Water Output (GPM)			Approximate Shipping Weight (lbs)
	Minimum	Maximum	Maximum	45° F Rise	77° F Rise	
<b>EXTERIOR MODELS</b>						
GTS-305-NE	15,000	199,000	5.3	5.3	4.2	50
GTS-505-NE	15,000	199,000	8.5	7.3	4.2	50
GTS-705-NE	19,000	237,000	9.8	8.7	5.1	55
GTS-705-NEA*	19,000	237,000	9.8	8.7	5.1	55

For propane, change "N" to "P" in model number (GTS 305-PE).  
\* 705-NEA models are ASME Certified.

For more information on State On-Demand Water Heaters, contact:  
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